VALIDATA

Chemical Services, Inc.

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DATA VALIDATION SUMMARY
REPORT

COMPANY:	URS Corporation
SITE NAME:	SSFL - Chemical Soil Background Study
CONTRACTED LAB:	Frontier Analytical Laboratory
PROJECT NUMBER:	29403634
QA/QC LEVEL:	Level IV
EPA SOW/METHOD:	EPA SW-846
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Data Review,* 2008*, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review,* 2010
SAMPLE MATRICES:	Soil & Water
TYPES OF ANALYSES:	Dioxins / Furans
SDG NUMBER:	6848

OVERVIEW

SAMPLES:

Client Sample #	Lab Sample #	Matrix	Dioxin/ Furan
WRBS00091S005	6848-001	Soil	X
WRBS0013S005	6848-002	Soil	X
WRBS0029S005	6848-003	Soil	X
WRBS0088S005	6848-004	Soil	X
WRBS0090S005	6848-005	Soil	X
WRBS0090D005	6848-006	Soil	X
EBQW00002	6848-007	Water	X

SUFFIX CODES: D= FIELD DUPLICATE, DL = DILUTION, MD = MATRIX DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWERS: Amy L. Hogan, Kevin C. Harmon, Diana Levy

RELEASE SIGNATURE: Digitally Signed by Diana Levy
Date: 2012.01.05

Data Qualifier Definitions

J	-	The associated numerical value is an estimated quantity.
J+	-	The associated numerical value is an estimated quantity, potentially biased high.
J-	-	The associated numerical value is an estimated quantity, potentially biased low.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

Protocol Qualifier Classification: The data point was outside the analytical method, data validation guidelines or project specific limits.

Advisory Qualifier Classification: The data point was qualified based on professional judgement of the validator.

Note: All qualifiers applied to the data in all analytical fractions are considered Protocol Qualifier Classification unless specifically noted as Advisory.

DATA QUALIFICATION SUMMARY

Frontier Analytical Laboratory – 6848- Organics & Inorganics

SAMPLES: WRBS0009S005, WRBS0013S005, WRBS0029S005, WRBS0088005, WRBS0090S005, WRBS0090D005, EBQW00002

DIOXINS/FURANS

SUMMARY

I.) General:

All laboratory data were acceptable with qualification.

MAJOR ISSUES

There were no major problems associated with this SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was required.

III.) Calibration:

All Initial and Continuing Calibration criteria were met. No action was required.

IV.) Blanks:

Method Blanks:

There were no detections in the method blanks associated with this fraction of the SDG. No action was required.

Equipment Rinsate Blank:

There were no detections in the equipment rinsate blanks associated with this SDG. No action was required.

V.) Laboratory Control Samples (LCS):

LCS:

Two LCS / LCSD sets were analyzed by the laboratory for this SDG. All LCS criteria were met. No action was required.

Reporting Limit LCS (RL LCS):

The RL LCS had detected results for all target analytes in this fraction, and was therefore acceptable. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were not submitted for this fraction of the SDG. Data qualification based on MS / MSD criteria was not required, so no action was taken.

VII.) Cleanup Recovery Standard:

All Cleanup Recovery Standard criteria were met. No action was required.

VIII.) Field Duplicates:

One set of field duplicate samples (WRBS0090S005 / WRBS0090D005) was identified for this fraction of the SDG. The calculable Relative Percent Differences (RPDs) which exceeded the 60% QC limit for soil samples were:

1234678-HpCDD	103%
OCDD	108%
2378-TCDF	66%

The results for these compounds in the two samples were flagged as estimated (J).

IX.) Labeled Standards Performance:

All Labeled Standards Performance criteria were met. No action was required.

X.) Compound Identification:

All Compound Identification criteria were met. No action was required.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No action was required.